

WHAT IS CLAIMED IS:

1. An apparatus for printing images comprising:
illumination optics which provides uniform area light;
a prism located at a first position which receives said uniform area light and refracts said light;
a first reflective LCD modulator which modulates said refracted light on a site by site basis and reflects said first modulated light to a second position on a media plane;
a motor which rotates said mirror around an axis parallel to said illumination optics to a third position; and
a second reflective LCD modulator which modulates said refracted light on a site by site basis and reflects said second modulated light to a fourth position on said media plane.
2. An apparatus as a claim 1 wherein a print lens assembly is located between said media plane and said first and second reflective LCD modulator images said modulated light to said media plane to print a first image.
3. An apparatus as in claim 1 wherein a light sensitive media is located at said image plane.
4. An apparatus as a claim 1 wherein a first image is formed by said first modulated light at said second position on said media plane, and a second image is formed by said second modulated light at said fourth position on said media plane, and wherein said second image is displaced diagonally from said first image.
5. An apparatus as a claim 1 wherein a first image is formed by said first modulated light at said second position on said media plane, and a second image formed by said second modulated light at said fourth position on

said media plane, and wherein said second image is displaced laterally from said first image.

6. An apparatus as a claim 1 wherein said illumination optics provides color sequential light.

7. An apparatus as a claim 1 wherein said illumination optics provides monochromatic light.

8. An apparatus as a claim 1 wherein a plurality of voltages to said reflective LCD modulator is adjustable.

9. An apparatus as a claim 2 wherein said print lens demagnifies said first and second modulated light.

10. An apparatus as a claim 2 wherein said print lens magnifies said first and second modulated light.